I hereby Certify that this Correspondence is being deposited with the United States Postal Service as Express Mail in an envelope addressed to: Commissioner for Patents, Alexandria, VA 22313, on 16 September 2003.

Name Nelson

Signature

Date of Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Mary K. Delmedico & John Dwyer

Application No.

Examiner:

Filed: 16 September 2003

Art Unit

For: HIV-derived HR1 peptides modified to form stable trimers, and their use in therapy to inhibit transmission of Human Immunodeficiency Virus

Commissioner for Patents Alexandria, VA

Docket No. TRM-001

INFORMATION DISCLOSURE STATEMENT 37 CFR 1.56 and 1.97

Applicants wish to make of record the following reference under the provisions of 37 CFR 1.56 and 1.97 and to provide a copy of relevant background with respect to the application. The submission of any document herewith is not intended as an admission that such document constitutes prior art against the claims of the present application, or is to be considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove any document as a cited reference against the claims of the present invention.

References Cited

Please see attached Form PTO-1449 for list of publications, legible copies of all publication listed are enclosed.

Statement of Relevancy

Non Patent Literature Documents

Cites 1,2, 7, 8, and 9 generally relate to HR1 peptides. Cites 3, 4, 5, 6, 9, and 10 generally relate to gp41 structure.

Patent Documents

Cites 11,12, 16 & 18 generally relate to HR1 peptides.

Cites 13, 14, 17 & 19 generally relate to modifications of HR peptides.

Cite 15 generally relates to gp41 structures.

Respectfully submitted,

M. Bud Nelson Reg. No. 35,300 Attorney for the Applicants

PTO/SB/08A (08-03)
Approved for use through 07/31/2006, OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number					
	Substitute for form 1449/PTO	Complet if Known				
		Application Number				
	INFORMATION DISCLOSURE	Filing Date	16 Sept. 2003			
		First Named Inventor	16 Sept. 2003 Delmedico, May Kay			
	STATEMENT BY APPLICANT	Art Unit				
	(Use as many sheets as necessary)	Examiner Name				
て	Sheet 2 of 2	Attorney Docket Number	TRM-001			

			U. S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	├	Number-Kind Code ^{2 (7 known)}			rigules Appear
	11	^{US-} 6,573,078	06-03-2003	Wild et al.	
	12	^{US-} 20020077284	06-20-2002	Eckert et al.	
	13	^{US-} 6,489,449	12-03-2002	Yu et al.	
	14	^{US-} 6,348,568	02-19-2002	Barney et al.	
	15	^{US-} 6,150,088	11-21-2000	Chan et al.	
	16	^{US-} 5,656,480	08-12-1997	Wild et al.	
	17	^{US-} 6,258,782	07-10-2001	Barney et al.	
		US-			
		ŪS-			
		US-			
	1	US-			
	1	US-			<u> </u>
		US-			
	1	US-	 		1

Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵
	18	WO 01/51673	07-19-2001	Trimeris, Inc.		
	19	WO 00/69902	11-23-2000	ConjuChem, Inc.		
						<u> </u>
						
	 					_

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Compl te if Known Substitute for form 1449/PTO **Application Number Filing Date** 16 Sept. 2003 **First Named Inventor** Delmedico, Mary Kay

INFORMATION DISCLOSURE STATEMENT BY APPLICANT Art Unit (Use as many sheets as necessary) Examiner Name Attorney Docket Number Sheet 2 TRM-001

Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1.	WILD et al.; "A synthetic peptide inhibitor of human immunodeficiency virus replication"; Nov. 1992; 10537-10541; vol 89; Proc. Natl. Acad. Sci. USA	
	2.	WILD et al.; " A Synthetic Peptide from HIV-1 gp41 Is a Potent Inhibitor of Virus-Mediated Cell-Cell Fusion"; Nov.11, 1993; 1051-1053; vol 9; Mary Ann Liebert, Inc., Publishers	
	3.	CHAN et al.; "Core Structure of gp41 from the HIV Envelope Glycoprotein"; April 18, 1997; 263-273; vol 89; Cell Press	
	4.	SHU et al.; "Trimerization Specificity in HIV-1 gp41: Analysis with a GCN4 Leucine Zipper Model"; April 1999; 5378-5385; vol 38; Biochemistry	
	5.	ECKERT et al.; "Inhibiting HIV-1 Entry: Discovery of D-Peptide Inhibitors that Target the gp41 Coiled-Coil Pocket"; Oct. 1, 1999; 103-115; vol 99; Cell Press	
	6.	ROOT et al.; " Protein Design of an HIV-1 Entry Inhibitor"; Feb. 1, 2001; 884-888; vol 291; SCIENCE	
	7.	LOUIS et al.; " Design and Properties of Nccg-gp41, a Chimeric gp41 Molecule with Nanomolar"; Aug. 3, 2001; 29485-29489; vol 276; no. 31; Journal of Biological Chemistry	
	8.	BEWLEY et al.; " Design of a Novel Peptide Inhibitor of HIV Fusion"; April 19, 2002; 14238-14245; vol 277;no. 16; Journal of Biological Chemistry	
	9.	LAWLESS et al.; " HIV-1 Membrane Fusion Mechanism: Structural Studies of the Interactions"; 1996; 13697-13708; vol 35, no. 42; Biochemistry	
	10	HARBURY et al. "A Switch Between Two-, Three- and Four-Stranded Coiled Coils"; 1993; 1401-1407; vol. 262, Science.	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.